

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	MAIL STOP PCT
Anders LINDAHL et al.	)	Attention: DO/EO/US
Application No.: 10/581,901	)	Group Art Unit: Unassigned
Filing Date: June 7, 2006	)	Examiner: Unassigned
Title: METHODS FOR CLONAL	)	Confirmation No.: Unassigned
DERIVATION OF HUMAN	)	
BLASTOCYST-DERIVED STEM CELL	)	
LINES	)	

**INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is an Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

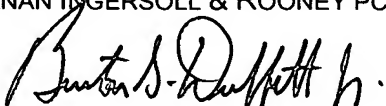
- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date September 1, 2006

By:

  
Benton S. Duffett, Jr.  
Registration No. 22030

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Alexandria, VA 22313-1404  
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For: METHODS FOR CLONAL	)	Confirmation No.: Unassigned
DERIVATION OF HUMAN	)	
BLASTOCYST-DERIVED STEM	)	
CELL LINES	)	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56,  
Applicants provide information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Copies of the following publications that are cited in the International Search  
Report are provided:

- (1) Amit, Michal et al., *Developmental Biology*, November 15, 2000, Volume 227, No. 2, pages 271-278, "Clonally Derived Human Embryonic Stem Cell Lines Maintain Pluripotency and Proliferative Potential for Prolonged Periods of Culture".  
[Discussed in Applicants' Specification at Pages 18 and 19.]
- (2) WO 03/055992 to Semb et al., (CELL THERAPEUTICS SCANDINAVIA AB), entitled "A Method for Establishment of a Pluripotent Human Blastocyst-Derived Stem Cell Line".  
Published: July 10, 2003  
[Discussed in Applicants' Specification at Pages 18 and 19.]
- (3) Pickering, Susan et al., *Reproductive Biomedicine Online*, Volume 7, No. 3, October 2003, Pages 353-364, "Preimplantation Genetic Diagnosis as a Novel Source of Embryos for Stem Cell Research".

- (4) Reubinoff, Benjamin E. et al., *Nature Biotechnology*, Volume 18, No. 4, April 2000, Pages 399-404, "Embryonic Stem Cell Lines from Human Blastocysts: Somatic Differentiation in Vitro".
- (5) Xu, Chunhui et al., *Nature Biotechnology*, Volume 19, No. 10, October 2001, Pages 399-404, "Feeder-free Growth of Undifferentiated Human Embryonic Stem Cells".
- (6) Heins, Nico et al., *Stem Cells*, Volume 22, No. 3, May 2004, Pages 367-376, "Derivation, Characterization, and Differentiation of Human Embryonic Stem Cells".  
[Discussed in Applicants' Specification at Pages 18 and 19.]

Applicant's also provide a copy of the following for the convenience of the Examiner:

- (7) U.S. Patent Publication No. 2003/0073234 to Amit et al., published on April 17, 2003 and entitled "Clonal Human Embryonic Stem Cell Lines and Methods of Generating Same".

A form PTO-1449 is provided for the convenience of the Examiner. It is requested that an Examiner-initialed copy of this form be returned to the undersigned once these publications are considered.


The examination and allowance of the Application are respectfully requested.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: September 1, 2006

By:



Benton S. Duffett, Jr.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/581,901
Filing Date	June 7, 2006
First Named Inventor	Anders LINDAHL et al.
Examiner Name	Unassigned
Attorney Docket No.	1034005-000021

**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	2003/0073234	A1	AMIT et al.	04/17/2003

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	W0 03/055992	A2	PCT	07/10/2003				X			X

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Amit, Michal et al., <i>Developmental Biology</i> , November 15, 2000, Volume 227, No. 2, pages 271-278, "Clonally Derived Human Embryonic Stem Cell Lines Maintain Pluripotency and Proliferative Potential for Prolonged Periods of Culture". [Discussed in Applicants' Specification at Pages 18 and 19.]
	Pickering, Susan et al., <i>Reproductive Biomedicine Online</i> , Volume 7, No. 3, October 2003, Pages 353-364, "Preimplantation Genetic Diagnosis as a Novel Source of Embryos for Stem Cell Research".
	Reubinoff, Benjamin E. et al., <i>Nature Biotechnology</i> , Volume 18, No. 4, April 2000, Pages 399-404, "Embryonic Stem Cell Lines from Human Blastocysts: Somatic Differentiation in Vitro".
	Xu, Chunhui et al., <i>Nature Biotechnology</i> , Volume 19, No. 10, October 2001, Pages 399-404, "Feeder-free Growth of Undifferentiated Human Embryonic Stem Cells".
	Heins, Nico et al., <i>Stem Cells</i> , Volume 22, No. 3, May 2004, Pages 367-376, "Derivation, Characterization, and Differentiation of Human Embryonic Stem Cells". [Discussed in Applicants' Specification at Pages 18 and 19.]

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.